

PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
455 12TH STREET, S.W.
WASHINGTON, D.C. 20554

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Report No. 493 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 6/1/17 to 6/30/17:

- **3DB COMMUNICATION INC. WI2XXG 0300-EX-CN-2017**
New experimental to operate in 6765.00 - 24890.00 MHz for research and development of performance-enhancement measures for HF communication.
Fixed: Orangeburg (Rockland), NY; Saint Charles (Kane), IL
- **ARTEMIS, INC. WI2XXH 0221-EX-CN-2017**
New experimental to operate on 9525 MHz and 34.4 GHz for a synthetic aperture radar (SAR) system.
Mobile: Spanish Fork, UT: Max altitude 5,000 ft. AGL
- **AT&T LABS WI2XWI 0119-EX-CN-2017**
New experimental to operate in 3550-3650 MHz for equipment testing
Fixed: Plano (Collin), TX
- **AT&T SERVICES, INC. WI2XWD 0085-EX-CN-2017**
New experimental to operate in 3400.00 - 76000.00 MHz for propagation testing
Fixed: Austin (Williamson), TX
- **AXONICS MODULATION TECHNOLOGIES, INC. WI2XYC 0288-EX-CN-2017**
New experimental to operate on 125 kHz and in 402-405 MHz for testing in connection with clinical trials of a Sacral Neuromodulation System.
Mobile: Nationwide at limited clinical trial locations
- **BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. WI2XYA 0387-EX-CN-2017**
New experimental to operate in 5.25 - 5.46 and 5.725 - 5.850 GHz for testing detector.
Mobile: Temporary Fixed Ground Operations, Merrimack, NH

- **BLUE DANUBE SYSTEMS WI2XWY 0339-EX-CN-2017**
 New experimental to operate in 1930.00 - 1995.00 and 2110.00 - 2180.00 MHz for developing a phased array active antenna system to be used as part of a Remote Radio Head (RRH).
 Fixed: Warren (Somerset), NJ; Santa Clara (Santa Clara), CA; Edinburg (Shenandoah), VA; Brooklyn (Kings), NY; St. Paul (Ramsey), MN; Woodstock (Shenandoah), VA
- **BOEING COMPANY, THE WI2XWQ 0228-EX-CN-2017**
 New experimental to operate in 57.00 - 71.00 GHz to conduct tests on a 777-200 aircraft.
 Fixed & Mobile: Marana (Pinal), AZ
- **BOEING COMPANY, THE WI2XXX 0350-EX-CN-2017**
 New experimental to operate in 136.00 - 136.975 MHz To support Boeing KC-46A EMD.
 Fixed: Seattle (King), WA
- **BOLLING POWELL STARKE IV (PANASONIC AUTOMOTIVE SYSTEMS COMPANY OF AMERICA) WI2XWZ 0242-EX-CN-2017**
 New experimental to operate in 5.85 - 5.925 GHz to support the development and testing of ITS applications for vehicle-to-infrastructure communication
 Fixed: Denver (Denver), CO
- **BROWN UNIVERSITY WI2XVS 0231-EX-CN-2017**
 New experimental to operate in 97.50 - 410.00 GHz for testing propagation measurement.
 Mobile: Brown University Campus, Providence, RI
- **C SPEED, LLC WI2XVG 0107-EX-CN-2017**
 New experimental to operate in 2900-3100 MHz for testing radar systems.
 Fixed: Pittsburg (Contra Costa), CA
- **C SPEED, LLC WI2XVH 0109-EX-CN-2017**
 New experimental to operate in 2900-3100 MHz
 For testing radar systems
 Fixed: Benicia (Soland), CA
- **COBHAM ADVANCED ELECTRONIC SOLUTIONS INC. WI2XXV 0396-EX-CN-2017**
 New experimental to operate in 3295.00 - 3305.00 MHz to perform testing of an antenna array.
 Fixed: Lansdale (Montgomery), PA
- **EMBRY-RIDDLE AERONAUTICAL UNIVERSITY WI2XXC 0320-EX-CN-2017**
 New experimental to operate on 38 GHz for testing 5G propagation
 Fixed & Mobile In the university campus (Indoors and Outdoors), Prescott, AZ
- **GENERAL MOTORS RESEARCH CORPORATION WI2XUV 0212-EX-CN-2017**
 New experimental to operate on 78.5 GHz to test automotive equipment.
 Mobile: Metropolitan Areas throughout the US
- **HARRIS CORPORATION WI2XXO 0236-EX-CN-2017**
 New experimental to operate in 13.25-13.4 GHz for a Ku-band air-to-air radar subsystem.
 Fixed: Van Nuys (Los Angeles), CA

- **HARRIS CORPORATION W12XXP 0267-EX-CN-2017**
New experimental to operate in 13.25-13.4 GHz to test a Ku-band air-to-air radar subsystem.
Fixed: Van Nuys (Los Angeles), CA
- **HARRIS CORPORATION W12XXQ 0276-EX-CN-2017**
New experimental to operate in 13.25-13.4 GHz for a Ku-band air-to-air radar subsystem.
Fixed: Santa Clarita (Los Angeles), CA
- **HARRIS CORPORATION W12XXR 0278-EX-CN-2017**
New experimental to operate in 13.25-13.4 GHz for a Ku-band air-to-air radar subsystem.
Fixed: Santa Clarita (Los Angeles), CA
- **HERLEY INDUSTRIES, INC. D/B/A ULTRA ELECTRONICS HERLEY W12XXN 0249-EX-CN-2017**
New experimental to operate on 17.5 GHz for testing trajectory control unit and projectile control unit systems.
Fixed & Mobile: Temporary Fixed, Lancaster, PA
- **LOCKHEED MARTIN CORPORATION W12XWT 0295-EX-CN-2017**
New experimental to operate in 10025.00 - 10475.00 MHz to test spotter RF radar units.
Mobile: Hanover (Anne Arundel), MD
- **LOCKHEED MARTIN CORPORATION W12XRQ 0195-EX-CN-2016**
New experimental to operate on select frequencies between 365.50 and 1380.00 MHz to conduct test for Fury Unmanned Aircraft system.
Mobile: Dugway, UT. Within 30 nm of coordinates Max altitude 15000 ft
- **LOCKHEED MARTIN CORPORATION W12XXY 0394-EX-CN-2017**
New experimental to operate in 8000-10000 MHz to test equipment.
Fixed: Grand Prairie (Tarrant), TX
- **METER GROUP, INC. USA W12XXI 0362-EX-CN-2017**
New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems.
Fixed: Pullman (Whitman), WA
- **MODULAR MINING SYSTEMS, INC W12XXU 0384-EX-CN-2017**
New experimental to operate in 699.00 - 2155.00 MHz to evaluate LTE wireless communications.
Mobile: Sahuarita, AZ
- **RAYTHEON MISSILE SYSTEMS W12XXW 0408-EX-CN-2017**
New experimental to operate in 400 MHz band to test radio equipment.
Fixed & Mobile: Valparaiso, FL
- **ROCKWELL COLLINS, INC. W12XZE 0451-EX-CN-2017**
New experimental to operate in 800 MHz band to test UAS/UAV.
Mobile: Newton, IL
- **SPIDERCLOUD WIRELESS, INC W12XUO 0192-EX-CN-2017**
New experimental to operate in 2500-2690 MHz to test multiple vendor portable equipment interoperating with the femto cell base station under development.
Fixed: Milpitas (Santa Clara), CA

- **SRC INC. WI2XXJ 0232-EX-CN-2017**
New experimental to operate in 9.5-10 GHz for operation of an X Band GMTI Radar for the purpose of testing GMTI performance of a prototype radar.
Mobile: Sparta, WI
- **TECHNOLOGY SERVICE CORPORATION WI2XVK 0262-EX-CN-2017**
New experimental to operate in 9.20 - 10.00 GHz developing an airborne sen-and-avoid(absaa) radar system
Mobile: HSV airport, 10000 ft AGL, Huntsville, AL
- **TELEPHONICS CORPORATION WI2XUW 0164-EX-CN-2017**
New experimental to operate in 9200.00 - 9750.00 MHz for testing AESA radar.
Mobile: Farmingdale, New York
- **TEXTRON AVIATION, INC. WI2XTV 0100-EX-CN-2017**
New experimental to operate on frequencies between 2375.50 and 5147.50 MHz for testing data from the aircraft to be transmitted to a receiving system
Mobile: R Tail, Kelly AFB, San Antonio, TX
- **TRIDENT SYSTEMS INCORPORATED WI2XTW 0152-EX-CN-2017**
New experimental to operate in 9320.00 - 10000.00 MHz for testing X-band SAR payload to image the earth from the aircraft.
Mobile: Baltimore, MD
- **VIASAT, INC WI2XVM 0264-EX-CN-2017**
New experimental to operate in 17700.00 - 30000.00 MHz for antenna testing.
Fixed: Pendergrass (Jackson), GA
- **VIRGINIA TECH MAAP - FAA UAS TEST SITE WI2XVR 0273-EX-CN-2017**
New experimental to operate in 9500.00 - 9800.00 MHz for FAA UAS Tests.
Mobile: Blacksburg, VA